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Page 1 of 1 Form P 1449 (Rev. 2-32) TRACE Atty. Docket No. Serial No. Department of Commerce IMMR-0013D 10/780,852 Patent and Trademark Office (034701-007) Applicant: Louis B. Rosenberg et al. Information Disclosure Statement by Applicant Filed: 02/19/2004 Group: 2628 (Use several sheets if necessary) **U.S. Patent Documents** Class Init. Document No. Date Subclass Name Filing Date JB/ 4,689,449 08/25/1987 Rosen /JB/ 4,758,692 07/19/1988 Roeser et al. JB/ 4,857,881 08/15/1989 Hayes JJB/ 4,994,669 02/19/1991 Stern JB/ 5,223,776 06/29/1993 Radke et al. JB/ 5.228.356 07/20/1993 Chuang JB/ 5,436,640 07/25/1995 Reeves JB/ 5,589,828 12/31/1996 Armstrong JB/ 5,589,854 12/31/1996 Tsai /JB/ 5,629,594 05/13/1997 Jacobus et al. JJB/ 5,724,068 03/03/1998 Sanchez et al. /JB/ 5,731,804 3/24/1998 Rosenberg JJB/ 5,739,811 04/14/1998 Rosenberg et al. /JB/ 5,742,278 04/21/1998 Chen et al. JJB/ 5,754,023 05/19/1998 Roston et al. /JB/ 5,805,140 09/08/1998 Rosenberg et al. /JB/ 6,201,533 3/13/2001 Rosenberg et al. JB/ 6,697,048 2/24/2004 Rosenberg et al. Other Documents (Including Author, Title, Date, Pertinent Pages, etc.) Millman, Paul A. et al., "Design of a Four Degree-of-Freedom Force-Reflecting Manipulandum with JJB/ a Specified Force/Torque Workspace," Depart. Of Mechanical Engineering, 1991, pp. 1488-1493. Ouhyoung, Ming et al., "A Low-Cost Force Feedback Joystick and Its Use in PC Video Games." JJB/ IEEE Transactions on Consumer Electronics, Vol. 41, No. 3, August 1995, pp. 787-194. Russo, Massimo Andrea, "The Design and Implementation of a Three Degree of Freedom Force JJB/

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				Application Number	10/780,852			
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6 of 23 gB (1 of 2)

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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	_
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7 of 23 gB (1 of 2)

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Application Number

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Filling Date February 19, 2004 **First Named Inventor** Louis B. ROSENBERG Art Unit 2173

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Substitute for form 1449A/PTO Complete if Known **Application Number** 10/780,852 **INFORMATION DISCLOSURE** February 19, 2004 Filing Date STATEMENT BY APPLICANT First Named Inventor Louis B. ROSENBERG Art Unit 2173 (use as many sheets as necessary) **Examiner Name** Unassigned IMMR050/04US Sheet of **Attorney Docket Number**

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Examiner Signature		/Jeffery Brier/		Date Considered	09/2	4/2007

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10 of 23 gB (2 of 2)

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Substitut	te for form 1449A/PTC)		Complete if Known			
				Application Number	10/780,852		
INFO	PRMATION	DIS	CLOSURE	Filing Date	February 19, 2004		
STA	TEMENT B	Y A	PPLICANT	First Named Inventor	Louis B. ROSENBERG		
				Art Unit	2173		
	(use as many she	ets as	necessary)	Examiner Name	Unassigned		
Sheet	3	of	8	Attorney Docket Number	IMMR050/04US		

		Document Number				
Examiner	Cite No.1	Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patente Applicant of Cited Do		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/JB/_		5,072,361	12-1991	Davies et al.		
/JB/		5,050,608	09-1991	Watanabe et al.		
JB/		5,040,306	08-1991	McMurtry et al.		
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/JB/		4,983,786	01-1991	Stevens et al.		
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/JB/		4,942,545	07-1990	Sapia		
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/JB/		4,819,195	04-1989	Bell et al.		
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/JB/		4,679,331	07-1987	Koontz		
/JB/		4,677,355	06-1987	Baumann		
Examiner Signature		/Jeffery Brier/		Date Considered	09/24	/2007

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11 of 23 gB (2 of 2)

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Substitute for form 1449A/PTO Complete if Known **Application Number** 10/780,852 INFORMATION DISCLOSURE February 19, 2004 Filing Date STATEMENT BY APPLICANT First Named Inventor Louis B. ROSENBERG 2173 Art Unit (use as many sheets as necessary) Examiner Name Unassigned IMMR050/04US Sheet **Attorney Docket Number**

	U.S. PATENT DOCUMENTS								
		Document Number							
Examiner	Cite No. ¹	Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
/JB/		4,676,002	06-1987	Slocum					
/JB/		4,654,648	03-1987	Herrington et al.					
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/JB/		3,890,958	06-1975	Fister et al.					
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/JB/		2,906,179	09-1959	Bower					

Examiner Signature	/Jeffery Brier/	Date Considered	09/24/2007

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12 of 23 gB

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Examiner	Cite	Foreign Patent Document				Name of Patentee or	Pages, Columns, Lines, Where Relevant
Initials*	No.1	Country Code	Number ⁴	nd Code ⁶ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear
		EP	0085518	A1	08-1983		
		wo	96/16397		05-1996		
		wo	96/99944		12-1996		
		JP	4-34010		02-1992		
		GB	225491		10-1992		
	1	wo	9502233		01-1995		
		wo	9502801		01-1995		
		wo	9520787		08-1995		
	<u> </u>	wo	9520788		08-1995		
		wo	9532459		11-1995		
		wo	9616397		05-1999		
	<u> </u>	wo	9622591		07-1996		
	İ	wo	9642078		12 1996		
	——	WO	9712357		02-1997		

Examiner Date Considered

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Substitut	e for form 1449A	PTO		Complete if Known			
				Application Number	10/780,852		
INFO	RMATIO	N DIS	CLOSURE	Filing Date	February 19, 2004		
STA'	TEMENT	BY A	PPLICANT	First Named Inventor	Louis B. ROSENBERG		
				Art Unit	2173		
	(use as many	sheets as	necessary)	Examiner Name	Unassigned		
Sheet	6	of	8	Attorney Docket Number	IMMR050/04US		

		OTHER PRIOR ART - NON PATE	NT LITERATUR	E DOCUMENTS				
Examiner !nitials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published						
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Examiner /Jeffery Brier/ Date Considered 09/24/			09/24/2007					

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14 of 23 gB (2 of 2)

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Substitute	e for form 1449A/PTO)		Complete If Known			
				Application Number	10/780,852		
INFC	RMATION	DIS	CLOSURE	Filing Date	February 19, 2004		
STA'	TEMENT B	Υ ΑΙ	PPLICANT	First Named Inventor	Louis B. ROSENBERG		
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Sheet	7	of	8	Attorney Docket Number	IMMR050/04US		

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
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Substitute	Substitute for form 1449A/PTO			Complete if Known		
		•		Application Number	10/780,852	
INFO	INFORMATION DISCLOSURE			Filing Date	February 19, 2004	
STA	TEMEN ¹	ГВҮ А	PPLICANT	First Named Inventor	Louis B. ROSENBERG	
	• —			Art Unit	2173	
(use as many sheets as necessary)			necessary)	Examiner Name	Unassigned	
Sheet	8	of	8	Attorney Docket Number	IMMR050/04US	

		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the
Examiner Initials *	Cite No.1	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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<u> </u>		

Examiner Signature	/Jeffery Brier/	Date Considered	09/24/2007

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Sheet	1	of	8	Attorney Docket Number	IMMR-050/04US

U.S. PATENT DOCUMENTS							
	Cite No.1	U.S. Patent Do Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
/JB/		5,785,630	T	Bobick, et al.	07/28/1998		
<i>'</i> 7JB/		5,766,016		Sinclair et al.	06/16/1998		
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/JB/		5,038,089	-	Szakaly	08/06/1991		
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/JB/	<u>-</u> -	4,891,764	†	McIntosh	01/02/1990		
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/JB/		3,911,416	1	Feder	10/07/1975		
/JB/ 1		3,903,614		Diamond et al.	09/09/1975		
/JB/ 1		3,902,687	1	Hightower	09/02/1975		
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/JB/ T		3,517,446	<u> </u>	Corlyon et al.	06/30/1970		
/JB/		3,497,668		Hirsch	02/24/1970		

Examiner	/ loffor	Prior	Date	09/25/2007
Signature	/Jeffery	/ Brier/	Considered	03/20/2001

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Substitute for form 1449A/PTO			Complete if Known			
1		Application Number				
INFO	DRMATION DISCLOSURE	Filing Date	February 19, 2004			
STA	TEMENT BY APPLICANT	First Named Inventor	Louis B. ROSENBERG			
1		Group Art Unit	Louis B. ROSENBERG			
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